

INDEX TO VOLUME LVIII

- ACTION** currents in stomach and intestine, 476.
 Adrenal secretion, denervated heart and, 308.
 ———, reflex center for, 338.
ALVAREZ, W. C. and L. J. MAHONEY.
 Action currents in stomach and intestine, 476.
 Anemia, effect of secretin in, 296.
- BLOOD** cells, red, fragility of, 271.
 — in lungs, quantity of, 20.
 — sugar of pigeons, 152.
 Bloodstream, distribution of erythrocytes in, 195.
 Body-weight and surface area, relation of organs to, 45.
BOSTROM, E. F. Conditions causing an unequal distribution of erythrocytes in the bloodstream, 195.
BURKE, U. L. See **MAXWELL, BURKE and RESTON**, 432.
BURTON-OPITZ, R. The venous supply of the heart, 226.
- CAMERON, A. T. and J. CARMICHAEL.** The comparative effects of parathyroid and thyroid feeding on growth and organ hypertrophy in the white rat, 1.
 —, and **F. A. SEDZIAK.** The effect of thyroid feeding on growth and organ hypertrophy in adult white rats, 7.
CANNON, W. B. and D. RAPPORT. Studies on the conditions of activity in endocrine glands:
 VI. Further observations on the denervated heart in relation to adrenal secretion, 308.
 VII. The reflex center for adrenal secretion and its response to excitatory and inhibitory influences, 338.
CANNON, W. B. and J. E. URIDIL. Studies on the conditions of activity in endocrine glands. VIII. Some effects on the denervated heart of stimulating the nerves of the liver, 353.
CAREY, E. J. Studies in the dynamics of histogenesis. Tension of differential growth as a stimulus to myogenesis. VIII. The experimental transformation of the smooth bladder muscle of the dog, histologically, into cross-striated muscle, and physiologically, into an organ manifesting rhythmicity, 182.
CARMICHAEL, J. See **CAMERON and CARMICHAEL**, 1.
 Cerebrospinal fluid pressure, 53, 85, 101.
 Circulation time, 20, 278.
 Contact-maker, revolving, 494.
COWGILL, G. R. and L. B. MENDEL. Studies in the physiology of vitamins. I. Vitamin-B and the secretory function of glands, 131.
- DIET**, adequate and inadequate, choice made between, 211.
DOWNES, A. W. and N. B. EDDY. Secretin. V. Its effect in anemia, with a note on the supposed similarity between secretin and vitamin B, 296.
- EDDY, N. B.** See **DOWNES and EDDY**, 296.
 Endocrine glands, conditions of activity in, 308, 338, 353.

- Erythrocytes, distribution of, in bloodstream, 195.
- FIBRIN**, 365, 379, 393, 407.
- FOSTER**, D. P., and G. H. WHIPPLE. Blood fibrin studies:
- I. An accurate method for the quantitative analysis of blood fibrin in small amounts of blood, 365.
 - II. Normal fibrin values and the influence of diet, 379.
 - III. Fibrin values influenced by transfusion, hemorrhage, plasma depletion and blood pressure changes, 393.
 - IV. Fibrin values influenced by cell injury, inflammation, intoxication, liver injury and the Eck fistula. Notes concerning the origin of fibrinogen in the body, 407.
- GALIGHER**, A. E. On the action of certain substances on oxygen consumption. V. The action of potassium cyanide in relation to respiratory rate, 301.
- Glands, vitamin-B and, 131.
- GREENTHAL**, R. M. and W. S. O'DONNELL. Studies on the fragility of the red blood cells, 271.
- Growth, effects of parathyroid feeding on, 1.
- , —, — thyroid feeding on, 7.
- HART**, E. B. See **STEENBOCK**, **NELSON** and **HART**, 14.
- Heart, denervated, and adrenal secretion, 308.
- , —, effects on, of stimulating nerves of the liver, 353.
- , output of, 20.
- , venous supply of, 226.
- HILL**, A. V. A revolving contact-maker to stimulate at any required frequency, 494.
- HONEYWELL**, H. E. Studies of the sugar in the blood of pigeons, 152.
- HUGHSON**, W. See **WEED** and **HUGHSON**, 53, 85, 101.
- INTESTINE**, stomach and, action currents in, 476.
- Intravenous injection of solutions of various concentrations, systemic effects of, 53.
- KATZ**, L. N. See **WIGGERS** and **KATZ**, 439.
- LUNG** motor mechanism, peripheral, readjustment of, after bilateral vagotomy in the frog, 169.
- MAHONEY**, L. J. See **ALVAREZ** and **MAHONEY**, 476.
- MAXWELL**, S. S., U. L. BURKE and C. RESTON. The effect of repeated rotation on the duration of after-nystagmus in the rabbit, 432.
- MENDEL**, L. B. See **COWGILL** and **MENDEL**, 131.
- , See **MITCHELL** and **MENDEL**, 211.
- MITCHELL**, H. S. and L. B. MENDEL. Studies in nutrition. The choice between adequate and inadequate diet, as made by rats and mice, 211.
- Myogenesis, 182.
- NELSON**, E. M. See **STEENBOCK**, **NELSON** and **HART**, 14.
- Nervous system, visceral sensory, 169.
- Nutrition, studies in, 211.
- Nystagmus in rabbit after rotation, 432.
- O'DONNELL**, W. S. See **GREENTHAL** and **O'DONNELL**, 271.
- Ophthalmia in dogs due to deficient diet, 14.
- Organs, relation of, to body-weight and surface area, 45.
- Oxygen consumption, action of certain substances on, 301.

- PARATHYROID** feeding, effects of, on growth, 1.
- PATTERSON, T. L.** Studies on the visceral sensory nervous system. IX. The readjustment of the peripheral lung motor mechanism after bilateral vagotomy in the frog, 169. Pulmonary circulation time, 20.
- RAPPORT, D.** See **CANNON** and **RAPPORT**, 308, 338.
- Respiratory rate and action of cyanide, 301.
- RESTON, C.** See **MAXWELL, BURKE** and **RESTON**, 432.
- SECRETIN**, effect of, in anemia, 296.
- SEDZIAK, F. A.** See **CAMERON** and **SEDZIAK**, 7.
- STEENBOCK, H., E. M. NELSON** and **E. B. HART.** Fat soluble vitamins. IX. The incidence of an ophthalmic reaction in dogs fed a fat soluble vitamin deficient diet, 14.
- STEWART, G. N.** Possible relations of the weight of the lungs and other organs to body-weight and surface area (in dogs), 45.
- , Research on the circulation time and on the influences which affect it. V. The circulation time of the spleen, kidney, intestine, heart (coronary circulation) and retina, with some further observations on the time of the lesser circulation, 278.
- , The pulmonary circulation time, the quantity of blood in the lungs and the output of the heart, 20.
- Stomach and intestine, action currents in, 476.
- Sugar, blood, 152.
- Surface area, body-weight and, relation of organs to, 45.
- THYROID** feeding, effects of, on growth, 7.
- URIDIL, J. E.** See **CANNON** and **URIDIL**, 353.
- VENOUS** pressure, intracranial, 101.
- supply of the heart, 226.
- Ventricular volume curves, contour of, under different conditions, 439.
- Visceral sensory nervous system, 169.
- Vitamin-B and secretory function of glands, 131.
- Vitamins, fat soluble, 14.
- Vitamins, physiology of, 131.
- WEED, L. H. and W. HUGHSON.** Intracranial venous pressure and cerebrospinal fluid pressure as affected by the intravenous injection of solutions of various concentrations, 101.
- — —, Systemic effects of the intravenous injection of solutions of various concentrations with especial reference to the cerebrospinal fluid, 53.
- — —, The cerebrospinal fluid in relation to the bony encasement of the central nervous system as a rigid container, 85.
- WHIPPLE, G. H.** See **FOSTER** and **WHIPPLE**, 365, 379, 393, 407.
- WIGGERS, C. J., and L. N. KATZ.** The contour of the ventricular volume curves under different conditions, 439.